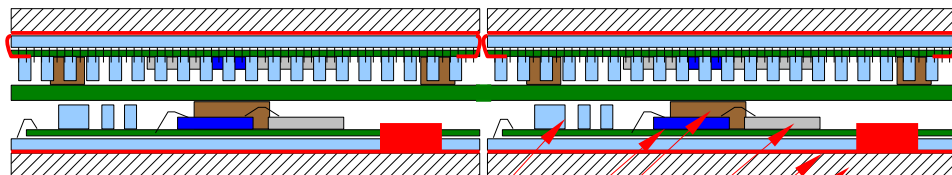


Layout Of Strip Modules

Y Scale 4:1
X Scale 1:1



Capacitors 0603: 0.8mm

Resistors: 0.8mm

Pitch Adapter

Conn. DF-30-34 1.0mm

SVX4

foil

Sub-sensor substrate

- Sensor is glued to ceramic substrate.
- Readout card SpRC is glued to the sensor.
- SpRC is wire bonded to the sensor.
- The strips are biased with negative voltage and decoupled by 200V capacitors
- The detector modules are snapped to a carrier board SpCar using two DF30 connectors.
- The carrier board routes digital signals for SVX chain for X-strips on the top, and for Y-strips on the bottom.

Stackup

Ceramics	0.40mm
Gold plated foil	0.05mm
Glue	0.10mm
Sensor	0.30mm
Glue	0.10mm
SpRC	0.50mm
Components	1.00mm
Carrier SpCar	1.00mm
Components	1.00mm
SpRC	0.50mm
Glue	0.10mm
Sensor	0.30mm
Glue	0.10mm
Gold plated foil	0.05mm
Ceramics	0.40mm
Total:	6.00mm

Layout of the Strip Readout Card SpRC

